

ABSTRACT OF THE DISCLOSURE

Gas Hot-Water-Tank Air Flow Control Mechanism.

Envisioned at a moment when energy efficient use of natural gas or propane is considered essential to human needs and environment, this device is designed to increase the efficiency of gas-fired-hot-water-tanks. This major household appliance, widely used in North America represents a moderate to heavy consumption of energy. It addresses the problem of heat loss incurred in virtually all domestic hot-water-tank systems. In effect it is the same as closing the vent on a fireplace after the fire is out to prevent the fire created draft from sucking the air from the room. This device prevents air from randomly reaching the flame chamber, controlling it instead. It allows the flame to function as normal, but closes naturally when flame is off, effectively reducing air flow and subsequent heat loss, which would otherwise have continuous negative effect.